

19990919.qrp v01\_n584.qrl.990919

Date: Sun, 19 Sep 1999 19:03:11 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1584

QRP-L Digest 1584

Topics covered in this issue include:

- 1) [50688] Re: [Fwd: Homebrewers]-includes QRP  
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
- 2) [50689] QRP Afield  
by n5ib@juno.com
- 3) [50690] RE: Recycle  
by "Buck, Preston D" <BuckPD@corning.com>
- 4) [50691] QRP Afield 1999  
by Richard Arland <k7sz@epix.net>
- 5) [50692] Vertical antenna feedpoint construction question  
by "Adam B. Kanis" <akanis@divis17.ped-gen.uiowa.edu>
- 6) [50693] RE>Tuner  
by herr@ridgecrest.ca.us (Michael Herr)
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by "Terry Bassett" <mutabut@net66.com>
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- 9) [50696] QRP and my local club  
by "Buck, Preston D" <BuckPD@corning.com>
- 10) [50697] dots n' dashes n' headsets  
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- 11) [50698] QRP to The Field, Sort of...  
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- 12) [50699] X  
by "Norman A. Jackson" <nvj@megalink.net>
- 13) [50700] =?iso-8859-1?Q?QRP\_Afield\_=97\_NOT?=  
by "Chuck Carpenter" <w5usj@globeco.net>
- 14) [50701] Re: Qrp Afield  
by "Terry Bassett" <mutabut@net66.com>
- 15) [50702] Re: QRP Afield 1999  
by Russ Dow <n7dw@garlic.com>
- 16) [50703] QRP Afield from Connecticut  
by KD1YV <kd1yv@mindspring.com>
- 17) [50704] NF9K QRP Afield Results  
by "Joel Kluender, NF9K" <nf9k@eudoramail.com>
- 18) [50705] parrallel xtals, SST  
by chrffresh@advant.net (Freshwater, Chris)
- 19) [50706] QRP Afield - KF4KSM

- by Macstein@aol.com
- 20) [50707] QRP A K0FRP  
by "al dawkins" <alk0frp@earthlink.net>
- 21) [50708] QRP Afield and A Small Loop  
by "Steve Yates, AA5TB" <aa5tb@swbell.net>
- 22) [50709] Re: QRP Afield from Connecticut  
by Rick Sealey <rsealey@InfoAve.Net>
- 23) [50710] Whistlers, A call for help  
by John R Kirby <n3aaz-qrp@juno.com>
- 24) [50711] Tuners, more on the L Network  
by John R Kirby <n3aaz-qrp@juno.com>
- 25) [50712] QRP-L friends...  
by "Sly (9M8SL)" <cqsly@tm.net.my>
- 26) [50713] Sunday Session//QRP AFIELD  
by charles k brown <n4so@juno.com>
- 27) [50714] Re: Vertical antenna feedpoint construction question  
by John R Kirby <n3aaz-qrp@juno.com>
- 28) [50715] QRP-AFIELD Summary, K1QM  
by Joel Malman <malman@world.std.com>
- 29) [50716] Re: QRP A K0FRP  
by "Charlie Fitts" <cfitts@neca.com>
- 30) [50717] QRP - Afield ??  
by KF4EIB@aol.com
- 31) [50718] Weird 2N2/40 Problem Found  
by Bill B Lazure <n2tpa@juno.com>
- 32) [50719] Re: QRP Afield and A Small Loop  
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
- 33) [50720] Re: Whistlers, A call for help  
by Terry Bendell <terryb@bmts.com>
- 34) [50721] Sporting goods "goodies"  
by mikemo@ibm.net
- 35) [50722] Re: X  
by "William R. Colbert" <af852@rgfn.epcc.edu>
- 36) [50723] QRP Afield summary  
by "Rod Cerkoney" <rlw@frii.com>
- 37) [50724] QRP Afield Summary, KD7AHO  
by Bob Kimbrell <kimbrell@netcom.com>
- 38) [50725] Natural Radio/Whistlers URL's  
by Jerry Parker <jparker@fix.net>
- 39) [50726] Drake C line questions  
by James Skalski <jskalski@localnet.com>
- 40) [50727] Re: X  
by "Robert Roach" <ke4qok@worldnet.att.net>
- 41) [50728] Re: Drake C line questions  
by "Dan W. Dooley" <dandooley@pipeline.com>
- 42) [50729] QRPp to the field - milliwatt POWER!  
by Jim Hale <kj5tf@yahoo.com>
- 43) [50730] Re: QRP Afield and A Small Loop

- by "Steve Yates, AA5TB" <aa5tb@swbell.net>
- 44) [50731] Re: QRP Afield and A Small Loop  
by "Steve Yates, AA5TB" <aa5tb@swbell.net>
- 45) [50732] Re: QRP Afield and A Small Loop  
by "The One and Only!" <mitch96@pobox.com>
- 46) [50733] Re: QRPp to the field - milliwatt POWER!  
by HWRM1SS@aol.com
- 47) [50734] WTB Ten Tec model 297 NB  
by James Skalski <jskalski@localnet.com>
- 48) [50735] Re: QRP Afield and A Small Loop  
by "Steve Yates, AA5TB" <aa5tb@swbell.net>
- 49) [50736] Re: Vertical antenna feedpoint construction question  
by Dean W Manley <kh6b@juno.com>
- 50) [50737] Re: twisted pair feed-line  
by "Kevin Asato" <kevin.k.asato@worldnet.att.net>
- 51) [50738] Re: Weird 2N2/40 Problem Found  
by "Randy Jouett" <rules@bellsouth.net>
- 52) [50739] QRP Afield  
by "Steven Weber" <kd1jv@moose.ncia.net>
- 53) [50740] QRP Afield  
by Ken Newman <N2CQ@citnet.com>
- 54) [50741] Re: GOOD BOOKMARKS FOR NEW FOLKS  
by "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
- 55) [50742] Re: Weird 2N2/40 Problem Found  
by "Nick Kennedy" <nkennedy@cswnet.com>
- 56) [50743] QRP Afield - AA5YX/P  
by aa5yx@juno.com
- 57) [50744] QRP Afield  
by "Floyd Smithberg" <flydnq7x@primenet.com>
- 58) [50745] Re: MFJ Antenna Tuners  
by "William H. Launer" <launerb@crl.com>
- 59) [50746] Re: Tweeking the NorCal 20  
by "Jay Bromley" <w5jay@alltel.net>
- 60) [50747] Re: Weird 2N2/40 Problem Found  
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
- 61) [50748] WB6JBM QRP Afield Results  
by Richard Powell <ripowell@mpna.com>
- 62) [50749] QRP Afield-K2UD  
by K2UD@aol.com
- 63) [50750] checking battery fluid levels?  
by Paul Erickson <paule@sfu.ca>
- 64) [50751] Re: Homebrewers  
by "Al Gritzmacher " <ae2t@arrl.net>
- 65) [50752] Re: QRP Afield from Connecticut  
by Robert L Kellogg <ae4ic@nr.infi.net>
- 66) [50753] Re: Weird 2N2/40 Problem Found  
by Lee Bahr <bahr521@earthlink.net>
- 67) [50754] Re: K2

by "Jay Bromley" <w5jay@alltel.net>  
68) [50755] QRP+ Pwr Knob  
by Ed Kessler <edkess@epix.net>  
69) [50756] More Afield  
by "Steven Weber" <kd1jv@moose.ncia.net>  
70) [50757] Kids Names/QRP Afield (was Homebrewers)  
by "Dave Fifield" <fifield@pacbell.net>  
71) [50758] QRP AFIELD- K5LN short report  
by Ab5wx@aol.com  
72) [50759] Height above average terrain Calculator  
by k5xu@concentric.net  
73) [50760] QRP Afield - NF0R  
by David Gauding <david.gauding@bbs.galilei.com>  
74) [50761] QRP Afield from ID  
by rfoltz@turbonet.com

-----  
Date: Sun, 19 Sep 1999 09:17:08 +1000  
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [50688] Re: [Fwd: Homebrewers]-includes QRP  
Message-ID: <37E41D74.83CCD7CA@integritynet.com.au>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Frank Grigaliunas wrote:

> Drbob92031@aol.com  
>  
> > Funny thing about landfill scroungers. First I have found myself coming  
> home  
> > with more than I brought. I had to take something to the dump so I could  
> have  
> > an excuse to go there.

I once had (still have) an ex-step-mother-in-law (figure that out?) who is a real doll and loved to go to the tip to scrounge.

One fine Saturday morning Jean conned me into going with her to her local tip (Canberra). Upon arrival Jean dutifully reverse parked, opened the boot (trunk) and took out a perfectly good picnic table. "You're not chucking that out?", I exclaimed.

"Don't be bloody silly, I'm just setting up" she said and then proceeded to adorn the table with a nice table cloth followed by plates of cold chicken, salads, cutlery for two and a fine white wine and wine glasses.

"Always wanted to do this, just to see the reaction I'd get!". - now you know part of the reason I think Jean's such a doll.

The QRP bit: Jean always looked out for electronic books for me. I have a fine set of data and tables dating back to the 1960's (the maths never change) plus other goodies.

73's

Ian Purdie  
VK2TIP "I'll give you the TIP mate"  
QRP-L member #1978.  
URL - <http://www.integritynet.com.au/~purdic/>  
URL - <http://www.qsl.net/vk2tip/>

-----  
Date: Sat, 18 Sep 1999 19:30:02 EDT  
From: n5ib@juno.com  
To: qrp-l@Lehigh.edu  
Subject: [50689] QRP Afield  
Message-ID: <19990918.181943.8175.0.N5IB@juno.com>

Old Sol dealt from the bottom of the deck it seems. Less than an hour to go and tapped out here in Louisiana. Just 2 Q's on 20 m and one of them is N4BP (if I can't work his always great signal I must be dead already). A noise level that is "out of this world" and can't hear WWV on any frequency.

Running ~1.8 W DSW-20 to full-wave 40 m horizontal loop (only averages about 12 ft height though)

I answered a few other CQ's and thought I got a couple of replies but the noise just closed in and couldn't complete the exchange. The only plus factor was the other QSO was VA, a new state for my DSW-20 and in fact for me overall as QRP. Was desperately looking for ID, MT, SD, MN, and WI.

I'll probably give bonus time a try and look for the /P's

72 all  
Jim N5IB

-----  
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-----  
Date: Sat, 18 Sep 1999 19:51:42 -0400  
From: "Buck, Preston D" <BuckPD@corning.com>  
To: qrp-l <qrp-l@Lehigh.EDU>  
Subject: [50690] RE: Recycle  
Message-ID: <9C472CF03C5ED111BBF20000F84A1701019EDA72@EAGLE.CORNING.COM>  
Content-Return: allowed  
Mime-Version: 1.0  
Content-Type: text/plain

I use my 88 Chevy Berretta (172k miles) and my 75 Ford F-100 (310k miles) to transport me and my radios wherever I want to go. The 95 Thunderbird (63k miles) belongs to my XYL and doesn't play radio.

73,  
Preston, n0g1m, Souther NY State

-----  
Date: Sun, 19 Sep 1999 00:14:33 -0400  
From: Richard Arland <k7sz@epix.net>  
To: QRP List <qrp-l@lehigh.edu>  
Subject: [50691] QRP Afield 1999  
Message-ID: <37E46329.1332417C@epix.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

GREAT event!

Made 31 Qs (only had about 1 hr to work the test) and managed to work "Mr. QRP" himself: Ade Weiss, W0RSP! (Ade....I would really appreciate a QSL!) Mr. Hartford, N6GA was booming in from the Left Coast, too. Nice signal, Cam. Doug, KI6DS was in there slugging it out, too.

One comment: For everyone on 20 meters....S-P-R-E-A-D O-U-T! There were at least 30 stations within 2 or 3 kHz of 14060!

That was fun. We gotta do this again.

73 Rich K7SZ

-----

Date: Sat, 18 Sep 1999 19:39:50 -0500 (CDT)  
From: "Adam B. Kanis" <akanis@divis17.ped-gen.uiowa.edu>  
To: qrp-l@lehigh.edu  
Subject: [50692] Vertical antenna feedpoint construction question  
Message-ID: <Pine.LNX.4.04.9909181922001.15206-100000@divis17.ped-gen.uiowa.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

hi all,

got lots done today in the beautiful weather here in SE iowa. put together and erected the 34' of aluminum tubing that will be radiator for the elevated ground plane (or elevated radial vertical, whichever name you prefer). the guys are in, and the 7 foot high supports for the 8 radials are ready for wire.

my question : what construction would people recommend for the feedpoint? i'll be feeding this antenna with windowed balanced line (to be multibanded).

The bottom of the radiator is about 1.5 inch aluminum tubing, and the radial bus is going to be 1/4 inch soft-copper tubing with holes for screw-attaching the radial wires to. this bus will encircle the 4x4 wooden support structure just below the radiator. Feedpoint will be 10 feet above ground.

Thanks much in advance. Suggestions might be useful for multiple people on the list, so don't be shy about replying to the list.

72,  
--adam

Adam B. Kanis, AK0P  
adam-kanis@uiowa.edu QTH: Wellman, IA (Near Iowa City) EN41ck  
--- ARRL:RSGB:QRP-ARCI:GQRP:QRP-L:NorCal:Iowa QRP:SEITS ---  
\*\* On the web at <http://genome33.ped-gen.uiowa.edu/hamradio> \*\*

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Date: Sat, 18 Sep 1999 17:54:35 -0700 (PDT)  
From: herr@ridgecrest.ca.us (Michael Herr)  
To: qrp-l@lehigh.edu  
Subject: [50693] RE>Tuner  
Message-ID: <v01530502b4097e828e84@[208.138.143.71]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I've been using a similar arrangement here for the last 3 years. I can tune my 80 mt zepp from 160 thru 6. So far it's the best arrangement I've used, simple and effective. Zack Lau wrote up a non roller version using a tapped inductor in a L configuration with the balun at the start instead of the end. Try it!

...Mike WA6ARA

>

>I have used an L network with the same WW2 surplus roller inductor  
>for my entire ham career (35 yrs.) I haven't found anything that it  
>couldn't load, though adjustment can get touchy. The inductor is the  
>series element. I have built several  
>other tuners, but most of them showed noticeable losses compared to the  
>old standby.

>

>

>The system works on all ham bands below 6m. Tuner common is "floating" in  
>this configuration. This I found to work much  
>better than putting the balun after the tuner, a configuration  
>that violates several "rules" and which caused the toroid  
>to get hot when 100W was put through the system at 80 and 160m.

>

>73, WN6Q

>

>original message:

>

>Been discussing tuners with a few friends offline, and would like to ask =  
>what

>tuners are being used out there in the QRP and (yikes) QRO community, in  
>particular those that will handle random-type wire antennas (not true  
>longwires, but one of those "get as much wire as you can in the air"  
>antennas). QRO capable would be nice, but QRP functionality and matching  
>ability is PRIME. Whatcha' think?

>

>--

>Marty, N5NW

-----

Date: Sat, 18 Sep 1999 20:08:28 -0500

From: "Terry Bassett" <mutabut@net66.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [50694] Qrp Afield

Message-ID: <000701bf023b\$7be38ea0\$335e8bce@host.net66.com>

MIME-Version: 1.0

Content-Type: text/plain;



charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Well Gang,

I've never been much of a contester, but had a blast so far, worked several Qrp stations in Arizona and California (from East Central Illinois) on 15 & 20. For whatever reason N4BP never heard me. I therefore haven't woked a list member today, everyone reported 5w and some seem mystified when I sent Qrpl 977. Perhaps there is/was another contest today?

My code speed is slowly coming up, when I made General I barely made the 13 wpm, writing it down a letter at a time, with last night's W1AW run (from 35 wpm down to whatever) I was doing Head copy and getting some words of the faster stuff and got solid copy at 18 wpm in my head. That helped me to feel confident enough to try the contest atmosphere.

Looking forward to the morning, may yet go back and work a few more stations tonight. I'm not camped out due to daughter's out-of-town volley-ball tournament today. Still had time when we got home to try my hand.

enjoyed it!!

72 All,

Terry, KA9TXE East Central Illinois

-----  
Date: Sat, 18 Sep 1999 21:07:10 -0400  
From: "Buck, Preston D" <BuckPD@corning.com>  
To: qrp-l <qrp-l@Lehigh.EDU>  
Subject: [50695] ex-K5FO's morse audio CD  
Message-ID: <9C472CF03C5ED111BBF20000F84A1701019EDA79@EAGLE.CORNING.COM>  
Content-Return: allowed  
Mime-Version: 1.0  
Content-Type: text/plain

Greetings all,

Chuck produced a high speed morse audio CD. I got a copy of it. He had some special instructions on how to use it for rapid code speed improvement. Regrettably, I can't find those instructions. I have searched my QRP-L archive CD and Chuck's web page to no avail.

If you saved those instructions, or know where I can find them, please email me with the goods. I too want to upgrade to extra before the change but more

importantly, I want to be more comfortable with high-speed code.

73

Preston, n0g1m, Southern NY State

My words, not my employer's

-----

Date: Sat, 18 Sep 1999 21:07:09 -0400

From: "Buck, Preston D" <BuckPD@corning.com>

To: qrp-l <qrp-l@Lehigh.EDU>

Subject: [50696] QRP and my local club

Message-ID: <9C472CF03C5ED111BBF20000F84A1701019EDA78@EAGLE.CORNING.COM>

Content-Return: allowed

Mime-Version: 1.0

Content-Type: text/plain

Greetings all,

I attended the second meeting of the ham club that is local to me. They are much friendlier than the one near work so I joined up. They do a lot of public service work and there is a range of hams from really retired to just starting.

The neat part is that I took my 40m travel bag with me. It has my SW40, rainbow tuner, batteries, key, headphones and antenna all in a small audio cassette case.

It was quite the hit! I ended up taking off the cover of the SW40 to show people the guts and talking briefly about QRP and some of my favorite contacts. I got lots of questions. The program director asked if I would be willing to do a presentation on QRP at the next club meeting. I warned them that I am in sales/marketing and can talk for hours. They said they trusted me to be reasonable. I will head to the NJQRP site to find their presentation to use as a starting point.

More important were the couple of guys who asked if I could teach them how to build their own SW40. I said sure and described the elmer 101 stuff we did here. So for next meeting I will take the specs for the radio and the elmer101 files from my QRP-L CD. Once they buy the kits, we will set up times to work through the kits together. Then they mentioned working on their code speed to upgrade beyond Tech Plus. WAHOO, a win for all concerned. I feel like I am a QRP virus or something.

(Deep Voice On) You will be assimilated. Resistance is equal to V over I (D. V. Off)

73,

Preston, n0g1m, Southern NY State

My words, not my employer's

-----  
Date: Sat, 18 Sep 1999 21:38:29 -0400  
From: Richard Rood <fcsww@juno.com>  
To: qrp-1@lehigh.edu  
Subject: [50697] dots n' dashes n' headsets  
Message-ID: <19990918.213942.-4095727.0.fcsww@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Try this:

<http://www.nytimes.com/library/magazine/millennium/m4/paik.html>

dick, w2scf

-----  
Date: Sat, 18 Sep 1999 22:17:52 -0400  
From: wb2vuo@juno.com  
To: qrp-1@lehigh.edu  
Subject: [50698] QRP to The Field, Sort of...  
Message-ID: <19990918.221753.-85505.0.wb2vuo@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

I have not been active in QRPTTF and have been active in the field on QRP. A bit confusing, but read on...

I have been participating in the second weekend of the ARRL 10 GHz & Up contest. QRP? You bet! The highest power anyone is running, at least here in WNY and VE3-land is 150 milliwatts on wide-band and 2 watts on narrow-band. Wide-band is FM and the narrow-band is SSB and CW, mostly CW.

Miles per watt? Well, the distances are measured (and scored) in kilometers, and with a 15 mW transmitter on 10.250 GHz, 60 - 120 KM is not unusual. Let's see, 90 KM average for a "good" contact, that's about 55 miles, divided by 0.015 watts is 3,666.6 miles per watt!

The current world record for wide-band is about 1,050 miles (Italy to Morrocco) with 20 mW for a MPW rating of 52,500 MPW, narrow-band is a bit better, DX-wise, but was done with higher power so the MPW was actually lower.

10 GHz and above is NOT for everyone! All of the contacts in this part of the world tend to be prearranged, a liaison frequency is commonly used, most of the gear is built from surplus components (and looks more like a plumbing project rather than a radio!) and round-tables & nets are virtually unknown. If you are using an 18" DSS dish for your 10 GHz antenna, the beamwidth is less than 1-degree, and the low-gain (17 dBi) horns commonly used on simple gear are about 25-degrees wide.

Best DX today for me was 61 km, and tomorrow I will be back out with 10 & 24 GHz gear during the afternoon, and 474 THz lasers after sunset!

72/73, Keith, WB2VU0, 100% QRP from the Depths of the Great Bergen Swamp  
My night light runs more power than my Rig!!!

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-----  
Date: Sat, 18 Sep 1999 22:31:17 -0400  
From: "Norman A. Jackson" <nvj@megalink.net>  
To: qrp-1@Lehigh.EDU  
Subject: [50699] X  
Message-ID: <3.0.6.32.19990918223117.007a9600@megalink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Subject: Kenwood 830

I am new to the QRP part of the hobby and like very much what I see. However, I do not have any QRP equipment and would like to offer someone a Kenwood TS 830 in exchange for some QRP equipment of equal value. If anyone is interested they can let me know and we can work out the details.

72,  
Norm/K1NAJ

-----  
Date: Sat, 18 Sep 1999 21:36:16 -0500  
From: "Chuck Carpenter" <w5usj@globeco.net>  
To: qrp-1@Lehigh.EDU

Subject: [50700] =?iso-8859-1?Q?QRP\_Afield\_=97\_NOT?=  
Message-ID: <3.0.2.32.19990918213616.007ed8f0@bosshog.globeco.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Well, Darn...

Now that VHF conditions have dwindled I had plans to work HF during the QRP Afield event. Hi QRN from line noise spoiled those plans. I could hear Bob Patten, N4BP, fairly well on 15 meters but not good enough to give it a serious try.

Guess it's time to accept the 6 dB insertion loss from the JPS noise canceller. Less signal may be better than S9 noise. C'mon rain =97 make the

noise go away!

Chuck Carpenter, EM22cv, Point, Rains County, Texas

-----  
Date: Sat, 18 Sep 1999 21:50:17 -0500  
From: "Terry Bassett" <mutabut@net66.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [50701] Re: Qrp Afield  
Message-ID: <002701bf0249\$b50d9e60\$4c5e8bce@host.net66.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Mac & All,

Mac you are right the exchange doesn't include Qrpl numbers, somehow I had that stuck in my mind. Must have been some other contest I've read about.

No harm I guess, especially since my score will be so low that it won't even matter.

That in no way diminishes the fun I'm having. After my first post I took my Van out to the local park and set up shop on 40 and worked a few QSO's with the SWL 40+ and Hustler whip.

Great Fun, I'll be trying things out again in the morning.

72,

Terry KA9TXE East Central Illinois

-----  
Date: Sat, 18 Sep 1999 20:02:21 -0700  
From: Russ Dow <n7dw@garlic.com>  
To: k7sz@epix.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [50702] Re: QRP Afield 1999  
Message-ID: <37E4523D.E3904CAC@garlic.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Rich and the gang,

I second the motion to spread out. I didn't work today's contest, but a few weeks ago during BUBBA I noticed the same thing on 15 meters. Couldn't hear or raise any action outside 21059 to 21063.

73,  
Russ N7DW

Richard Arland [K7SZ] wrote:

> GREAT event!  
> One comment: For everyone on 20 meters....S-P-R-E-A-D O-U-T! There were  
> at least 30 stations within 2 or 3 kHz of 14060!

-----  
Date: Sat, 18 Sep 1999 23:12:38 -0300  
From: KD1YV <kd1yv@mindspring.com>  
To: qrp-l@lehigh.edu  
Subject: [50703] QRP Afield from Connecticut  
Message-ID: <3.0.5.16.19990918231238.3bcff184@pop.mindspring.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Well, folks, this was my first attempt at operating in a QRP contest, since I am relatively new to QRP in general. I didn't even want to embarrass myself by announcing my intentions here in advance, lest I jinx everything!

I took my SMiTe, recently measured at below 200 mW, rock-bound in the Novice sub-band of 80m, and mounted Holcombe Hill in Newtown, CT. The peak

is about 850 ft. ASL, though the trees at the top are all fairly short.

I had hoped to start out early, but Hurricane Floyd got in the way by flooding my basement. This delayed me getting to the site until 1900z. Then some workers were in my way while I tried to set up my antenna, so it slowed me some more (I didn't want to hit them in the head casting my stell nuts over the trees.) Lastly, the power connector leads pulled off my Tick EMB while in transit, so time for some field repairs. By the time I got onto the air, it was already 2100z.

I managed to get the antenna up about 40 feet. While not ideal, I knew that the trees would not allow me to do much better, so I settled for that. Now to call CQ TEST.

Well, I spent the next three hours, and only eked out 5 contacts, but it was still fun. Maybe by the next field event, I'll have a frequency-agile radio. I should probably say "next warm weather event" since you won't likely catch this boy F-ing My B Off! Winters are to be spent in the shack, not the field!

72 de Jim, KD1YV

-----  
Date: Sat, 18 Sep 1999 22:18:15 -0500  
From: "Joel Kluender, NF9K" <nf9k@eudoramail.com>  
To: qrp-1@lehigh.edu, nn1g@earthlink.net  
Subject: [50704] NF9K QRP Afield Results  
Message-ID: <JPCEMH0AGLCBAAA@shared1-mail.whowhere.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Fellow QRP'ers,

NF9K QRP-Afield Summary (soapbox follows)

-----  
20 meters : 52 QSO's, 28 sections  
15 meters : 2 QSO's, 2 sections

OHR-400 on 20 meters, IC740 on 15 meters  
Both rigs set to 900 mW  
20M 1/4W vertical w/ 4 radials aka "Wonderpole"  
QTH: Portable at Tower Hill, Minnetonka, Minnesota

SCORE = 54 QSO's x 4 (port) x 4 (<1W) x 30 sec's  
= 25,920 points

I had an absolute great time in the QRP Afield contest! My only regret is that I didn't have the rigs or antennas to run much 15 or 10 meters. Did get on 15 briefly with my ICOM 740 (QRP-ified, of course) and a tuner but didn't want to subject the gel-cell to that kind of receive-current drain for long. So I stuck most of the contest on 20 meters with the QRP rig.

This was my first QRP field operation and could not have picked a better location or had better weather. 30% chance of thundershowers never even came close to materializing. A nice stiff breeze kept the state bird (mosquitos) at bay and temperature was in the upper 70's with goodly amounts of sun. Didn't see another soul all day. And it sure was a pretty site to look DOWN (way down) on all those municipale water towers in the distance. I'll have to run this location again next year, but bring along rigs and antennas for 40, 15 and 10. I can't wait!

73/72 & God Bless,

Joel NF9K

---

Joel Kluender, NF9K

870 Prairie Street S.

Shakopee, MN 55379

Great is the Lord, and worthy of praise!

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-----  
Date: Sun, 19 Sep 1999 03:56:36 +0100  
From: chrfrsh@advant.net (Freshwater, Chris)  
To: qrp-l@Lehigh.EDU  
Subject: [50705] parrallel xtals, SST  
Message-ID: <37E450E4.D44EBC85@advant.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Guys:

Need somebody to please re-post the parrallel xtal mods to the SST. About to add a 3rd xtal and forgot the recommended change in RFC6. This has become my lunchtime portable rig as well as my mobile listening rig (no real good antenna yet) and I want it capable of contesting (a bumblebee in my future??)

Tnx in adv. 72

Chris Frewater, KB9LCK



-----  
Date: Sat, 18 Sep 1999 23:57:55 EDT  
From: Macstein@aol.com  
To: qrp-1@lehigh.edu  
Subject: [50706] QRP Afield - KF4KSM  
Message-ID: <4c8c5c47.2515b943@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Oh Man, I got soaked! Like we needed more rain after "Floyd"! I ALMOST stayed at home, but really wanted to try the new portable G5RV with the NC20 at 3 watts off a 7ah Gel Cell. So, packed up and hiked to the park. Got there about 18:10 utc, found a beautiful old oak tree and slung a coke bottle over the limb up abt 20 feet. I had a big golf umbrella -- good thing! I also took an hour or so off during some lightening (!!!).

This was absolute fun! Conditions were mucho better than earlier in the week. 41 q's with one dupe (sorry!). 28 states/provinces/countries. G3XJS gave me a 449, VE3QDR, 559 and worked two California stations, N6MM and AE6TT. Lots of familiar calls spread out: Caught Seab, AA1MY in NY and coordinator Dave, NN1G in VT. Floyd, NQ7X in AZ, Randy, K7TQ in ID, and Doc, K0EVZ in ND. Colorado and Texas stations were all over the place. The antenna coverage rivals my infamous attic dipole, so it's a keeper. In fact, I'm gonna investigate running ladder line up through the ceiling!

K5KW was LOUD with 750mw as was W4EEZ with 500mw, but W0CQC with 1w and K5LN with 5w won best sigs of the day from me.

Thanks all!

72  
-MAC-  
KF4KSM  
Odessa, FL

-----  
Date: Sat, 18 Sep 1999 23:15:32 -0700  
From: "al dawkins" <alk0frp@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [50707] QRP A K0FRP  
Message-ID: <003c01bf0266\$622e8980\$21041f26@adawkins>  
MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I managed 1 hr 45 min between sanding the deck and dust breaks, but I had promised my 15 year old daughter to take a triple date 3 guys and 3 girls to the Colorado Rapids Soccer game.

N1EI sorry I could not copy, I pull out some weak ones but could not do it. QRPers were out in force

20m

KJ4TF 40 mw

KB8IJN 500mw

W4EEX 500 mw

NF9K 900 mw

15m

W4DEC 900 mw

N4XNU 100mw

AA8PJ 500mw

39 Q's on 20m 21 on 15m and ONE KI0II here in Denver on 10m  
Tried QSY ing N4BP on 10m but no go. on 10m

I DID NOT MAKE IT TO WY with W0CQC DUE TO PROMISES TO KEEP.

AL Dawkins K0FRP

-----  
Date: Sun, 19 Sep 1999 00:43:31 -0500  
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>  
To: QRP-L Distribute <qrp-l@Lehigh.EDU>  
Subject: [50708] QRP Afield and A Small Loop  
Message-ID: <002101bf0261\$e9134260\$3837a497@aa5tb>  
MIME-version: 1.0  
Content-type: text/plain; charset="iso-8859-1"  
Content-transfer-encoding: 7bit

Last night I finished replacing the 14 AWG conductor on my 3' diameter loop antenna with 5/8" copper tubing just in time for QRP Afield.

I had a good time in the contest. I operated from my garage so that I could keep an eye on my kids and watch them crash on their bicycles (ouch!). My rig was my Kenwood TS-130V at 5W and using a solar charged battery. My

antenna was the small 3' transmitting loop up 3' from the ground fed with 100' of RG-58. I made 39 QSO's, two of which were very nice ragchews with N4ZMP in FL and KB9LSH in IN. N4BP was my first contact (of course) on 15 meters and I confused him by repeatedly sending NTX for my state (I was thinking sections). I worked the other station on 15m and then went to 20m for the duration of the contest. The lowest power station I worked was W4EEX in MN at 500mW. I didn't really hear any difference between the milliwatt and multiwatt stations.

I've experimented with several small transmitting loops over the years but just recently put this one on the air. I first built it using 14 AWG just to see how it would play even though I knew the losses would be high. It worked anyway :-). But the thicker tubing sure worked good today. I worked everyone I could hear. I just wish I could have worked the contest for the whole duration (only got about 2-3 hours in) and from a more wilderness sort of place. By the way, my loop with an electrostatic shielded primary has a much higher signal to noise ratio on receive than my standard dipole. If you have noise problems you may want to think about a small loop (at least for receive).

73,  
Steve Yates - AA5TB  
Fort Worth, TX - EM12gs  
<http://home.swbell.net/aa5tb>

-----  
Date: Sun, 19 Sep 1999 07:09:44 -0400  
From: Rick Sealey <rsealey@InfoAve.Net>  
To: kd1yv@mindspring.com  
Cc: qrp-l@lehigh.edu  
Subject: [50709] Re: QRP Afield from Connecticut  
Message-ID: <4.1.19990919065540.00c91680@mail.infoave.net>  
MIME-version: 1.0  
Content-type: text/plain; charset="us-ascii"

At 11:12 PM 09/18/1999 -0300, you wrote:

>----- snip -----  
>I took my SMiTe, recently measured at below 200 mW, rock-bound in the  
>Novice sub-band of 80m, and mounted Holcombe Hill in Newtown, CT. The peak  
>is about 850 ft. ASL, though the trees at the top are all fairly short.  
>  
>----- snip -----  
>  
>Well, I spent the next three hours, and only eked out 5 contacts, but it  
>was still fun.  
>----- snip -----

>

>72 de Jim, KD1YV

=====

I dunno, Jim. Considering what I heard on 80M (not much except a few weak signals near the end of the contest), those 5 contacts on a KnightSMITE, on 3686.4, sounds pretty darn good to me. That's perseverance. Shoot, I think you deserve extra points or honorable mention, or something. Congratulations!

Rick - W4SEA  
High Point, NC

-----

Date: Sun, 19 Sep 1999 06:06:56 -0400  
From: John R Kirby <n3aaz-qrp@juno.com>  
To: qrp-l@Lehigh.EDU  
Subject: [50710] Whistlers, A call for help  
Message-ID: <19990919.071638.-29957.1.n3aaz-qrp@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

A short time back this topic was discussed here on the list.

Please help,

I am looking for web addresses that discuss this subject.

Thank you,

John  
N3AAZ  
FM19xa

-----

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-----

Date: Sat, 18 Sep 1999 09:40:19 -0400  
From: John R Kirby <n3aaz-qrp@juno.com>  
To: qrp-l@Lehigh.EDU  
Subject: [50711] Tuners, more on the L Network

Message-ID: <19990919.071638.-29957.0.n3aaz-qrp@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Tuner topics are good, here is a re post  
to calculate component values.

ALSO be sure to read the very recent post;

>From: Anthony Felino <anthony@pacinfosb.com>  
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
>Date: Fri, 17 Sep 99 16:22:35 -0800  
>Subject: tuner

RE his statement \*Tuner common is "floating"\*

for more on >L< configuration,

I found this to work too, while matching to "high" Z, but  
I found if matching to "low" Z, such as  
"short" verticals, coax worked best.

> my repost follows <

The >L< Network makes a very efficient tuner...  
only one inductor and one capacitor.

Connect the coil in series and capacitor shunt to ground and  
you have one additional advantage,  
a low pass filter.

If matching high Z to low Z  
(for >example< a 50 Ohm transmitter to a 15 Ohm vertical)  
the inductor is connected in series between input port and  
output port (of the tuner) and the capacitor is connected from  
the 50 Ohm input port to ground.

Note, the L network will also match low Z to high Z for >example<  
a 50 Ohm transmitter to a 377 Ohm long wire, just connect  
the capacitor (not to the input port but) to the output port and ground.

First find Q.

$Q = \text{Square root of } ((\text{HighZ} / \text{LowZ}) - 1)$

$Q = ( (50 / 15) - 1 ) ^{0.5}$

$Q = 1.53$

Next find the reactance of the matching coil  $X(L)$ .

$$X(L) = Q \text{ times LowZ}$$

$$X(L) = 1.53 \times 15$$

$$X(L) = 22.95 \text{ Ohms}$$

Next find the matching coil value

$$\text{If } X(L) = 2 \pi F L$$

$$\text{then } L = X(L) / 2 \pi F$$

$$L = 22.95 / (6.28 \times 7.04E6) \gg 7.040 \text{ MHz} \ll$$

$$L = 0.519E-6$$

0.519 micro Henry

or 519 nano Henry

The series inductor should be approximately 519 nano Henry

Next find the reactance of the matching capacitor  $X(C)$ .

$$X(C) = \text{HighZ} / Q$$

$$X(C) = 50 / 1.53$$

$$X(C) = 32.68 \text{ Ohms}$$

Next find the matching capacitor value,

$$\text{if } X(C) = 1 / (2 \pi F C)$$

$$\text{then } C = 1 / (2 \pi F X(C))$$

$$C = 1 / (6.28 \times 7.04E6 \times 32.68)$$

$$C = 6.92E-10 \text{ or}$$

$$C = 692E-12 \text{ (692 pico Farad)}$$

For ease of adjustment make this "shunt C" a variable capacitor.

If for example your variable capacitor has a value from 20 pF to 200 pF with 100 pF centre, then calculate,

$$(692) - (100) = 592 \text{ pF, then}$$

then parallel fixed capacitors that total approximately 592 pF with the 200 pF variable.

FYI,

The MFJ 16010, if you can find one, is an excellent QRP >L< network,

1) when matching low Z to high Z connect \*normal\*

2) if matching high Z to low Z \*reverse\* the input / output port connections.

73,

John

N3AAZ

FM19xa

---

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-----  
Date: Sun, 19 Sep 1999 19:37:47 +0800  
From: "Sly (9M8SL)" <cqsly@tm.net.my>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Cc: "Festus Havelock" <festus@pc.jaring.my>  
Subject: [50712] QRP-L friends...  
Message-ID: <19990919113747.BGSZ6576@User>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi gang,

I received this poem from a fellow ham. Just couldn't resist to forward it...  
I sincerely believe, we at QRP-L do epitomise this spirit !!!  
Enjoy and digest the beautiful thoughts...

+++++  
>> > > "The future belongs to those who believe in the beauty of their  
>> > > dreams"  
>> > > Eleanor Roosevelt  
>> > >  
>> > > Many people will walk in and out of your life,  
>> > > But only true friends will leave footprints in your heart.  
>> > > To handle yourself, use your head;  
>> > > To handle others, use your heart.  
>> > > Anger is only one letter short of danger.  
>> > > If someone betrays you once, it is his fault;  
>> > > If he betrays you twice, it is your fault.  
>> > > Great minds discuss ideas;  
>> > > Average minds discuss events;  
>> > > Small minds discuss people.  
>> > > He who loses money, loses much;  
>> > > He who loses a friend, loses much more;  
>> > > He who loses faith, loses all  
>> > > Beautiful young people are accidents of nature,  
>> > > But beautiful old people are works of art.  
>> > > Learn from the mistakes of others.  
>> > > You can't live long enough to make them all yourself.  
>> > > Friends, you and me....  
>> > > You brought another friend....  
>> > > And then there were 3....  
>> > > We started our group....  
>> > > Our circle of friends....

>> > >                   And like that circle....  
>> > >                   There is no beginning or end....  
>> > >                   Yesterday is history.  
>> > >                   Tomorrow is mystery.  
>> > >                   Today is a gift.  
>> > >                   That's why it's called the Present!!  
>> > >                   It's National Friendship Week.  
>> > >                   Show your friends how much you care....  
>> > >                   Send this to everyone you consider a FRIEND.  
>> > >                   If it comes back to you, then you'll know you have  
>> > >                   a circle of friends.  
>> > > ----- End Forwarded Message -----

Sincere 72 de 9M8SL ,  
Sylvester (Sly) Liew.  
fm 'The hidden paradise of Borneo'

-----  
Date: Sun, 19 Sep 1999 07:44:59 EDT  
From: charles k brown <n4so@juno.com>  
To: qrp-1@lehigh.edu  
Subject: [50713] Sunday Session//QRP AFIELD  
Message-ID: <19990919.114320.10231.2.n4so@juno.com>

The following is a saved text file.

QRP AFIELD CONTEST  
Sunday (Sept 19 ) Bonus session:   7-11 AM    \*LOCAL time\*

Stations which have spent the entire night in the field (tent/trail  
shelter/camper /mobile) will sign /P after their calls. From 7 AM to 11  
AM

Sunday, local time, contact these stations (only) for \*double\* the QSO  
point-credit. The slate is clean starting Sunday - if you worked 'em on  
Saturday, you can work the /P stations again on Sunday for QSO and SPC  
credit. Stations meeting the /P criteria may work all others for the  
double  
credit. Vacation homes and other permanent or semi-permanent dwellings  
do  
not qualify as /P.

-----  
That's it! We have no idea how the Sunday bonus session will work  
out.  
Hopefully the participation will be good- we'll consider this an



experiment  
worth trying.

I'll post reporting rules as we get closer in to the actual event.  
We  
can count on plenty of good 'soapbox' here on QRP-L, and I'll wrap up the  
results both here and in other published form. Until then-

72/73- Dave Benson, NN1G  
August 8, 1999

Ken Brown N4S0  
Mobile, AL/EM50tk  
NorCal-20/5 watts/4 ele. beam

---

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---

Date: Sun, 19 Sep 1999 07:50:11 -0400  
From: John R Kirby <n3aaz-qrp@juno.com>  
To: akanis@divis17.ped-gen.uiowa.edu, qrp-l@Lehigh.EDU  
Subject: [50714] Re: Vertical antenna feedpoint construction question  
Message-ID: <19990919.075019.-29957.3.n3aaz-qrp@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Adam you ask:

>what construction would people recommend for the  
>feedpoint?

Adam and group, I use the >L< net work, mounted at the \*BASE\* of the  
vertical (not in the shack).

Also see my recent post with subject line;  
>>Tuners, more on the L Network<<  
for a "cook book" method to calculate component values.

John  
N3AAZ  
FM19xa

---

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-----  
Date: Sun, 19 Sep 1999 07:51:56 -0400 (EDT)  
From: Joel Malman <malman@world.std.com>  
To: qrp-l@Lehigh.EDU  
Cc: k1qm@world.std.com  
Subject: [50715] QRP-AFIELD Summary, K1QM  
Message-ID: <199909191151.HAA07959@world.std.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit

#### QRP-AField Summary for K1QM

Q's

```
=====
10m           =    2
15m           =   18
20m           =   16
40m           =   20
              =====
Total Q's     =   56
```

#### Scoring Summary

```
=====
Q pts         =  112
Mults         =   39
Pwr Mult      =    2
```

Claimed Score = 8736      (112 x 39 x 2)

I did not hear one. 10 meters was open (and long: to CA and AZ),  
but almost no one was working the band.

--  
/joel    K1QM    Concord, MA  
QRP-L 337,    QRP-ARCI 9305

-----  
Date: Sun, 19 Sep 1999 08:02:45 -0400  
From: "Charlie Fitts" <cfitts@neca.com>

To: <qrp-1@Lehigh.EDU>  
Subject: [50716] Re: QRP A K0FRP  
Message-ID: <199909191204.IAA29999@orion.neca.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Hi Al - Thanks for trying to copy me - I was running 500 mW to a delta loop with an OHR 500. Guess you were right at the end of my string! :-)  
I snagged both Dakotas, Oklahoma, and Texas, but couldn't seem to get west of there. Tnx agn for trying.

Charlie Fitts, N1EI

-----  
Date: Sun, 19 Sep 1999 08:24:36 EDT  
From: KF4EIB@aol.com  
To: qrp-1@lehigh.edu  
Subject: [50717] QRP - Afield ??  
Message-ID: <507b2b09.25163004@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Gang,

QRP - Afield ? What did I miss ? Open to Tech plus bands ? Freq ?  
How much time left ?

72,  
Gordon kf4eib

-----  
Date: Sun, 19 Sep 1999 08:11:27 -0400  
From: Bill B Lazure <n2tpa@juno.com>  
To: QRP-L@Lehigh.EDU  
Subject: [50718] Weird 2N2/40 Problem Found  
Message-ID: <19990919.083642.7606.1.N2TPA@juno.com>

Found, but not solved!

Someone a while back mentioned that the crystals I'm using in my 2n2/40 have a lower Q, and thus lower activity, than the ones originally used for the project. Boy, was he right!!

Seems both the TX and RX BFOs are just on the border between oscillating and not. They'll usually work on the bench supply, but

rarely on the rig supply.

So, how does one increase the activity of sluggish crystals? I tried changing values of the feedback caps, but it didn't seem to help much. I'm trying to keep this project 100% junkbox, and would rather not buy crystals.

Any advice?

73,

Bill

W2EB

---

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---

Date: Sun, 19 Sep 1999 08:49:14 -0400  
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>  
To: qrp-l <qrp-l@lehigh.edu>  
Subject: [50719] Re: QRP Afield and A Small Loop  
Message-ID: <37E4DBCA.9561E63F@rit.edu>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7BIT

"Steve Yates, AA5TB" wrote:

> I've experimented with several small transmitting loops over the years but  
> just recently put this one on the air. I first built it using 14 AWG just  
> to see how it would play even though I knew the losses would be high. It  
> worked anyway :-) But the thicker tubing sure worked good today. I worked  
> everyone I could hear. I just wish I could have worked the contest for the  
> whole duration (only got about 2-3 hours in) and from a more wilderness sort  
> of place. By the way, my loop with an electrostatic shielded primary has a  
> much higher signal to noise ratio on receive than my standard dipole. If  
> you have noise problems you may want to think about a small loop (at least  
> for receive).

Steve,

Can you post some details on the construction? Or maybe a pointer to a Web page with a sketch?

Thanks!

Dave

--

Dave Hinerman WD8CIV  
Ontario, NY Grid FN13if  
dlh1009@rit.edu

-----  
Date: Sun, 19 Sep 1999 09:05:38 +500  
From: Terry Bendell <terryb@bmts.com>  
To: <n3aaz-qrp@juno.com>  
Cc: <qrp-1@Lehigh.EDU>  
Subject: [50720] Re: Whistlers, A call for help  
Message-ID: <199909191259.IAA07155@Alice.BMTS.Com>  
MIME-Version: 1.0

Hi John, Thats an easy one, Whistlers are pretty young girls above average in a bikini, just above the head turning class but not quite to the chin drops on the floor class... :^)

Don't have a website but do a Yahoo search on "Lowfer" or you may query the qsl.net robot for help.

dahdidah

On 1999-09-19 n3aaz-qrp@juno.com said:  
>A short time back this topic was discussed here on the list.  
>Please help,  
>I am looking for web addresses that discuss this subject.  
>Thank you,  
>John  
>N3AAZ  
>FM19xa

Net-Tamer V 1.11.2 - Test Drive

-----  
Date: Sun, 19 Sep 1999 09:02:54 -0400  
From: mikemo@ibm.net  
To: qrp1 <qrp-1@lehigh.edu>  
Subject: [50721] Sporting goods "goodies"

Message-ID: <37E4DEFE.B60C4EF4@ibm.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

For anyone interested, I stopped at our local Sports Authority (sporting goods store) and found a couple of goodies. They had a water resistant plastic carry box that looked perfect for carrying a rig, battery, key, antenna, to a field location. Has an o-ring seal on the top to keep it all dry. Cost was \$9.99. My K2 just barely fits long ways, and there is still lots of room for goodies.

Also picked up an SD-20 20' crappie pole for \$15.99 with a %20 off coupon.

72 de ku4qo, Mike Maiorana, Palm Harbor, FL

-----  
Date: Sat, 18 Sep 1999 00:53:05 -0600  
From: "William R. Colbert" <af852@rgfn.epcc.edu>  
To: nvj@megalink.net, qrp-l@lehigh.edu  
Subject: [50722] Re: X  
Message-ID: <37E336D1.2D057F82@rgfn.epcc.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Norm:

Why not just crank the carrier level down to the <5 watt level, which I was doing with my old Tempo 2020 (6146's in final) an old Yaesu FT757gxII and FT707.

I found on the vr board for the Tempo 2020 the mods indicated for the low power operation which makes it a 20 watt radio.

Doesn't

mean the 830 is so set up, but it is possible. In saying this, you might drop an Email to Kenwood or a snail mail, asking about the mods for the TS830S version of the radio which makes it a low power unit. A recent discussion here or on the Gqrp-l about the TS520 indicated an added screen resistor for the S version.

But with none of these mods, your current fine rig will do qrp in fine style.

Welcome to qrp and you will find it habit forming!!

73

Ray

--

"Politicians are like nappies. Both should be

changed regularly -- and for the same reason"  
"Scotsman - Scotsman's Diary 12/97"

-----  
Ray Colbert, W5XE, 00TC 3618, SOWP 1064M NCT2  
(also w5xe@juno.com El Paso, (FAR WEST) TEXAS  
-----

Date: Sun, 19 Sep 1999 07:19:56 -0600  
From: "Rod Cerkoney" <rcw@frii.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [50723] QRP Afield summary  
Message-ID: <009001bf02a2\$4980d280\$1f8711d8@compaq>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Well for me it was QRP "Athome". You know the excuses lots of other stuff to do:  
Ham Club meeting (I'm sect must take minutes), household chores, last minute  
public service work....

#### RESULTS

Anyway I squeezed in 3 hours of op time. Since I was warm and comfy in my shack,  
sippin' coffee; I went fully decadent and ran my K2 "off the mains" at a full  
5W, into my attic dipole. The results:

QSOs	
15M	15
20M	29
Tot	44
SPCs	18
Home mult	2
Power mult	2

SCORE = 2 X 44 X 18 X 2 = 3168 (If it all hold up)

Now comes the arduous task of typing this all up and double checking, UGH I  
gotta get  
some 'TEST logging software.

#### SOAP BOX

WHAT FUN: I love these short little contest's & sprints. What I like best is the  
low-key lets have fun attitude.

PROPAGATION: Solar Oracle Paul Harden, and K2 QSO "mojo" experts Wayne

Burdick/Eric Swartz came through. I heard sigs from all over the country on 15 and 20: MI, CA, TX & AZ being the heavy hitters. But all was not Roses, QSB was bad for me. During a couple of exchanges some stations completely drooped out! I'd try calling back, mostly nothing, on a few occasions I could dig something out from the mud. OH WELL that's life in the HF QRP game, makes it more fun. If I want QSO reliability I'll crank my IC-746 up to 100watts on 2M & yack on the repeaters. ;-)

EQUIP: In addition to "first-QSO DX mojo" as a standard option in all K2's, the K2 also seems to have some kinda contest mojo as well. ;-) I got on the air at 1911UTC, 15M, calling CQ, and was working stations one after another. Even had a micro pile-up or two to manage! The K2 is a fine rig for QRP 'TESTing: band hopping is a snap, filters knife through the QRM and zero in on a single station, CW memories for calling CQ, RIT & XIT to nab stations off freq., CW speed control to slow down when required. YEP! I like my K2. Can't wait for the computer interface so I can drive it from a laptop & 'TEST S/W.

QRP Afield, like the QRP-ARCI QSO parties, is going to be one of my regular events. Great fun, and maybe next I can get "Afield".

---

72/3 Rod, N0RC  
da di dah

-----

Date: Sun, 19 Sep 1999 06:46:11 -0700 (PDT)  
From: Bob Kimbrell <kimbrell@netcom.com>  
To: qrp-l@lehigh.edu  
Subject: [50724] QRP Afield Summary, KD7AH0  
Message-ID: <Pine.3.89.9909190644.A27326-01000000@netcom8.netcom.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

This was my first all CW contest and my first all QRP contest ever and it was a lot of fun after I got over my nervousness. (Do I know the exchange? Will they be sending too fast for me? etc.) I ran my Kenwood TS520S at home at 5 watts. It doesn't have a cw filter but it worked quite well with the Radio Shack DSP I picked up last weekend at a hamfest. I had been hearing a lot of activity on 40 before the contest started but 7040 was deserted at the stroke of 1800Z so I headed to 10M and started working my way down thru the bands. 10 was working to the east coast from here (Arizona) but hardly any stations were on. 15 and 20 had a lot more signals so I worked those bands until 2200Z when I went back to 40 for the rest of the day. I even got a 100 watt to crank down to 5 watts for me. Here's my summary:



Q's

=====

10m = 3

15m = 6

20m = 8

40m = 8

=====

Total Q's = 25

Scoring Summary

=====

Q pts = 50

Mults = 19

Pwr Mult = 2

Claimed score = 1900 (50 x 19 x 2)

A huge storm rolled into Kingman just after the contest with lots of flooding and closeby lightning so I had to shut down.

73 es 72

Bob KD7AH0

Kingman, AZ

-----

Date: Sun, 19 Sep 1999 07:08:40 -0700

From: Jerry Parker <jparker@fix.net>

To: qrp-l@LeHigh.edu

Subject: [50725] Natural Radio/Whistlers URL's

Message-ID: <3.0.6.32.19990919070840.0107f640@fix.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

For those of you interested in "Natural Radio"

and the "Whistlers" mentioned on the page check

out the following URL's:

<http://www.triax.com/vlfradio/>

<http://www.triax.com/vlfradio/natradio.htm>

<http://www.triax.com/vlfradio/more.htm>

<http://www-pw.physics.uiowa.edu/mcgreevy/>

<http://www.bluesky.com/warren/radios/vlf.html>

<http://image.gsfc.nasa.gov/poetry/inspire/>

Enjoy,,,72,,,Jerry...WA6OWR...K

-----  
Date: Sun, 19 Sep 1999 09:57:51 -0400 (EDT)  
From: James Skalski <jskalski@localnet.com>  
To: qrp-1@Lehigh.EDU  
Subject: [50726] Drake C line questions  
Message-ID:  
<Pine.LNX.4.04.9909190951140.19196-1000000@valhalla.valhalla.buffalo.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Does anyone have references for R4C mods? I used to have all of the articles and may still have them :-)  
I vaguely remember something about a power supply mod, AGC mod and as audio mod... I picked up some Drake at a hamfest yesterday. I think the C line is a classic and have always liked the receiver.

Has anyone used the T4XB/C on qrp? How about with a transverter? At what point did you tap into the transmit line and what value of cap did you use to sample the signal? What power level did you get to drive your transverter? 0 dBm?

Has anyone used a low level amplifier stage for QRP instead of a transverter? Should I just use a bias level control for qrp output?

Does anyone have a 500hz cw filter for the R4C? I have one empty filter position on the back. I could use a Noise blanker also.

73,

Jim n2go

-----  
Date: Mon, 20 Sep 1999 10:00:26 -0400  
From: "Robert Roach" <ke4qok@worldnet.att.net>  
To: <af852@rgfn.epcc.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [50727] Re: X  
Message-ID: <000b01bf0370\$7ea92ce0\$ea404d0c@ke4qok>

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

You can crank down the carrier level or you can use a 9V battery, a resistor, and a pot fed into the amp feedback plug in the back. This will cause the rig to automatically hold the level you have set by the "feedback" voltage. Using the carrier control on the front of the rig does not give you very fine control at low levels but the battery/resistance combo allows this luxury.

Bob

.  
> Doesn't  
> mean the 830 is so set up, but it is possible. In saying this, you  
> might drop an Email to Kenwood or a snail mail, asking about  
> the mods for the TS830S version of the radio which makes it  
> a low power unit. A recent discussion here or on the Gqrp-l  
> about the TS520 indicated an added screen resistor for the S  
> version.  
> But with none of these mods, your current fine rig will do qrp  
> in fine style.  
> Welcome to qrp and you will find it habit forming!!  
> 73  
> Ray  
>  
> --  
>  
> "Politicians are like nappies. Both should be  
> changed regularly -- and for the same reason"  
> "Scotsman - Scotsman's Diary 12/97"  
> -----  
> Ray Colbert, W5XE, OOTC 3618, SOWP 1064M NCT2  
> (also w5xe@juno.com El Paso,(FAR WEST) TEXAS

-----  
Date: Sun, 19 Sep 1999 09:13:28 -0500  
From: "Dan W. Dooley" <dandooley@pipeline.com>  
To: <jskalski@localnet.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [50728] Re: Drake C line questions  
Message-ID: <003601bf02a9\$26413740\$0d84aec7@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Jim this link may help. I think you will find lots of Drake stuff here.  
Mods on all of the Drake line. I have a "B" line. It works well QRO. I'd  
sure like to hear how well the T-4XB transmitter works at QRP levels. I'll  
keep my eyes/ears open for feedback on this one.

[http://www.dproducts.be/DRAKE\\_MUSEUM/](http://www.dproducts.be/DRAKE_MUSEUM/)

Dan WB5TKA

-----Original Message-----

From: James Skalski <jskalski@localnet.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Date: Sunday, September 19, 1999 8:58 AM  
Subject: Drake C line questions

>  
>Does anyone have references for R4C mods? I used to have all of the  
>articles and may still have them :-)  
>I vaguely remember something about a power supply mod, AGC mod and as  
>audio mod... I picked up some Drake at a hamfest yesterday. I think the C  
>line is a classic and have always liked the receiver.  
>  
>Has anyone used the T4XB/C on qrp? How about with a transverter? At what  
>point did you tap into the transmit line and what value of cap did you use  
>to sample the signal? What power level did you get to drive your  
>transverter? 0 dBm?  
>  
>Has anyone used a low level amplifier stage for QRP instead of a  
>transverter? Should I just use a bias level control for qrp output?  
>  
>Does anyone have a 500hz cw filter for the R4C? I have one empty filter  
>position on the back. I could use a Noise blanker also.  
>  
> 73,  
>  
> Jim n2go  
>

-----  
Date: Sun, 19 Sep 1999 07:44:08 -0700 (PDT)  
From: Jim Hale <kj5tf@yahoo.com>

To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [50729] QRPp to the field - milliwatt POWER!  
Message-ID: <19990919144408.29808.rocketmail@web704.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Saturday was a fine looking day here. Still suffering from the flu I forced myself to set-up in my north 40 regardless.

I set up a card table, my QRP+, WM-2, nicad btry, and wire vertical supported by the Black Widow 20' fishing pole. With 2 raised radials.

In all I made 15 QSO's between 18:00 and 23:30z when I went home. Max pwr 40mW.

My 1st contact was @ 18:17z on 14.063 with W0CQC/WY0 and my pwr was 40mW. Those guys did a great job and a big thank you for a new state. The QSL card and SASE are already filled out.

A couple states I already worked with higher power fell into my Black Widow's wire web.

I managed to snare WA0ZPT in SD with 40mW, reducing the power for SD from 70mW to 40mW. Saving 30mW which almost "pays for" WY !

Same thing with MI which went from 70mW to 25mW, so the new state WY was "free". hi hi

After I hunted down everyone I could, I went back and worked W0CQC/7 with the Arkansas QRP club call NQ5RP with only 25mW. And wrked WA0ZPT with 14mW.

No beam antenna, condx wernt great, but still very pleased with the new state and reduced pwr on two states.

Standings now are 48 states and total power is 1.417w.

Only need KS & NE.

73's, 72's, and sometimes 71's de Jim KJ5TF

-----  
Do You Yahoo!?  
Bid and sell for free at <http://auctions.yahoo.com>

-----  
Date: Sun, 19 Sep 1999 10:14:51 -0500  
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [50730] Re: QRP Afield and A Small Loop

Message-ID: <00d201bf02b1\$b8d384c0\$ac37a497@aa5tb>

MIME-version: 1.0

Content-type: text/plain; charset="iso-8859-1"

Content-transfer-encoding: 7bit

I have had several request for additional information on my loop antenna. My loop is 3' in diameter, fed with a shielded coupling loop with no direct connection to the main loop. The tuning capacitor is made out of an old 3 ganged receiver capacitor. I connected a stator at one end to one side of the loop and a stator at the other end to the other side of the loop. The stator in the middle was left disconnected. The rotor is of course common to all three stators and the capacitance is divided between the two outer stators by the rotor (two capacitors in series). This keeps all of the RF current from flowing through any of the lossy brushes and such. Electrically it is just like a butterfly capacitor but looks different.

I have a lot of other loop information at the following URL:

<http://home.swbell.net/aa5tb/loop.html>

The loop I'm using now is not described exactly on my Web page but it is just like the loop in the 1st sketch except that the small coupling loop has an electrostatic shield. That is, the loop is made out of the feed coax. It is first shorted at the end, then solder back onto itself (to the shield) to form a complete, shorted loop. The shield of the coax is cut open at the top of the loop. This prevents current from flowing through the shield and shields the coupling loop from electric fields (or capacitive coupling). This ensures (at least theoretically) that the antenna responds only to the magnetic field of the EM wave. A picture is needed here I'm sure so I will hopefully have one soon.

73,

Steve Yates - AA5TB

Fort Worth, TX - EM12gs

<http://home.swbell.net/aa5tb>

-----  
Date: Sun, 19 Sep 1999 10:31:59 -0500

From: "Steve Yates, AA5TB" <aa5tb@swbell.net>

To: QRP-L Distribute <qrp-l@Lehigh.EDU>

Subject: [50731] Re: QRP Afield and A Small Loop

Message-ID: <00fc01bf02b4\$1dd91cc0\$ac37a497@aa5tb>

MIME-version: 1.0

Content-type: text/plain; charset="iso-8859-1"

Content-transfer-encoding: 7bit

"I copied W4EEX as being in KY

Ken Brown N4SO  
Mobile, AL/EM50tk  
NorCal-20/5 watts/4 ele. beam"

My logs indicate KY for W4EEX also. MN was from the previous log entry,  
K0PC. Sorry.

73,  
Steve Yates - AA5TB  
Fort Worth, TX - EM12gs  
<http://home.swbell.net/aa5tb>

-----  
Date: Sun, 19 Sep 1999 11:34:17 -0400  
From: "The One and Only!" <mitch96@pobox.com>  
To: aa5tb@swbell.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [50732] Re: QRP Afield and A Small Loop  
Message-ID: <37E50279.E5362671@pobox.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

"Steve Yates, AA5TB" wrote:

>

> Last night I finished replacing the 14 AWG conductor on my 3' diameter loop  
> antenna with 5/8" copper tubing just in time for QRP Afield.

Hi Steve,  
question,,,,,, did you ever try using copper ground strap, say 2 or 3  
inches wide for ur loop?? wonder what the difference would be???

73, mitch ww4ml  
lost in the ethers again..

-----  
Date: Sun, 19 Sep 1999 11:50:14 EDT  
From: HWRM1SS@aol.com

To: kj5tf@yahoo.com, njqrp@njqrp.org, qrp-1@lehigh.edu  
Subject: [50733] Re: QRPp to the field - milliwatt POWER!  
Message-ID: <72537aa5.25166036@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Jim,  
We must be concerned with the power dissipated in unanswered CQ's... Will these calls go unheeded? Will they circulate until answered? You must work the unanswered transmissions against the power used to actually talk to someone. And how much food did you consume? Did you drink beverages? These are all very important... How many calories did you dissipate using your key/bug/keyer - did you drive or walk to your site - did you sweat? And how many calories will you burn while writing QSL cards and stamping them? It is a mystery to me...QRP is cool  
Howard K3HW

-----  
Date: Sun, 19 Sep 1999 11:52:22 -0400 (EDT)  
From: James Skalski <jskalski@localnet.com>  
To: qrp-1@Lehigh.EDU  
Subject: [50734] WTB Ten Tec model 297 NB  
Message-ID:  
<Pine.LNX.4.04.9909191151080.19196-1000000@valhalla.valhalla.buffalo.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello,  
I \*need\* one of these to put in my rig. There is just too much noise at my qth.

73,

Jim n2go

-----  
Date: Sun, 19 Sep 1999 10:54:24 -0500  
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>  
To: mitch96@pobox.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [50735] Re: QRP Afield and A Small Loop  
Message-ID: <012c01bf02b7\$3f56ff40\$ac37a497@aa5tb>  
MIME-version: 1.0  
Content-type: text/plain; charset="iso-8859-1"



Content-transfer-encoding: 7bit

Mitch,

I don't know the relationship between the RF conductivity of circular conductor versus flat conductor. I suspect with a wide flat conductor the conductivity would be good since RF current flows on the surface of the conductor and a flat conductor would still have a large surface area. I believe AEA uses a flat conductor in their loop although MFJ uses this fact as a selling point for their circular conductor loop :-). Since even my 14 AWG wire worked I suspect your 2-3" flat copper would work great. If construction is easier or you have some available then by all means go for it.

73,

Steve Yates - AA5TB

Fort Worth, TX - EM12gs

<http://home.swbell.net/aa5tb>

-----  
Date: Sun, 19 Sep 1999 12:00:32 EDT

From: Dean W Manley <kh6b@juno.com>

To: qrp-1@Lehigh.EDU

Cc: kh6b@juno.com

Subject: [50736] Re: Vertical antenna feedpoint construction question

Message-ID: <19990919.060604.5391.0.kh6b@juno.com>

Adam and the List,

I assume you mean the mechanical installation of insulating material. I use a piece of schedule 40 PVC pipe that just fits inside the aluminum tubing. Maybe 1.5 to 2 feet long, allowing about 2 inches or so for the insulating gap. You may have to saw slots in the aluminum ends and use hose clamps to tighten the fit. This is what I did, but don't remember the sizes.

Aloha and GL

Dean KH6B

Hilo Hawaii

>elevated ground plane (or elevated radial vertical, whichever name you prefer). the guys are in, and the 7 foot high supports for the 8 radials are ready for wire.

>my question : what construction would people recommend for the  
feedpoint?  
i'll be feeding this antenna with windowed balanced line (to be  
multibanded).

-----  
Get the Internet just the way you want it.  
Free software, free e-mail, and free Internet access for a month!  
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

-----  
Date: Sun, 19 Sep 1999 09:13:05 -0700  
From: "Kevin Asato" <kevin.k.asato@worldnet.att.net>  
To: <Arjen.Raateland@vyh.fi>, "Low Power Amateur Radio Discussion" <qrp-  
l@Lehigh.EDU>  
Subject: [50737] Re: twisted pair feed-line  
Message-ID: <002801bf02b9\$dc6e88a0\$9f57480c@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Twisted pair cabling for Ethernet and G.703/E1 (the European equivalent of the US T1) generally runs at 100 to 120 Ohms impedance. Ethernet (Category 3 or Category 5) is normally not shielded. G.703 (120 Ohms) is divided into two groups of transmit and receive binders (each group in its own foil jacket) with a drain lead on each. The separation is provided to keep the transmit and receive signals of a particular circuit from cross-talking on itself. The cable was probably used for Ethernet as this is what was available for the job and it had the correct amount of pairs.

Not sure how it would work for antenna feedline and what the loss rate is per meter (or foot) but, it is a balanced twisted pair transmission line. Cat 5 Ethernet is rated at 100Mbps (bps- bits per second), Cat 3 is rated at 10Mbps, and G.703 is a 2.048Mbps service.

Kevin K Asato  
KC6POB  
Customer Service Engineer  
PairGain Technologies  
800.638.0031 (tech support)  
888.769.4765 (pager)

-----Original Message-----

From: Arjen Raateland <Arjen.Raateland@vyh.fi>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Date: Saturday, September 18, 1999 3:25 PM  
Subject: twisted pair feed-line

>Hello gang,  
>  
>I salvaged an 8 m piece of Ethernet cable that was left over from an  
>computer network installation job. All in all it contained 8 separate  
>twisted pairs in two bundles that were shielded with aluminium foil with  
>a bare ground wire running inside the aluminium sheath.  
>  
>I've kept only the twisted pairs with the intention of using them as a  
>light-weight balanced feed-line for an all-band doublet for field use.  
>It's pretty light, too!  
>  
>I haven't done any measurements on these twisted pairs, but considering  
>the fact that Ethernet signals are HF, I have some hope it isn't too bad  
>as a feed-line. Of course there isn't much air between the wires and the  
>impedance won't be as high as 450 Ohm.  
>  
>I wonder if anybody tried twisted pairs as a balanced feed-line of  
>otherwise has any knowledge about this stuff ( $Z_0$ , loss)?  
>  
>If it isn't good enough as feed-line, I can always use it for gimmick  
>coupling caps, can't I .... ;-)  
>  
>thanks es 73,  
>--  
>Arjen Raateland  
>OH2ZAZ  
>  
>  
>SAS Support  
>Finnish Environment Institute, Helsinki  
>  
>AX.25: OH2ZAZ@OH2RBI.FIN.EU  
>

-----  
Date: Sun, 19 Sep 1999 11:12:17 -0500  
From: "Randy Jouett" <rules@bellsouth.net>  
To: <n2tpa@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [50738] Re: Weird 2N2/40 Problem Found  
Message-ID: <001a01bf02b9\$dd2e0810\$54e498cd@spock>  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Bill B Lazure <n2tpa@juno.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Date: Sunday, September 19, 1999 7:40 AM  
Subject: Weird 2N2/40 Problem Found

Hi Bill,

> So, how does one increase the activity of sluggish crystals? I  
> tried changing values of the feedback caps, but it didn't seem to help  
> much. I'm trying to keep this project 100% junkbox, and would rather not  
> buy crystals.  
> Any advice?

> From your power supply description, it sounds  
like you need to add some regulation to that  
portion of the circuit. Also, make the leads as  
short as possible in the oscillator. Long lead lengths  
in oscillators can add unwanted inductance to a  
circuit, possibly causing your sluggish xtal to stop  
oscillating. Worth a shot.

72/73,

----

Randy Jouett, AB5NI

-----  
Date: Sun, 19 Sep 1999 12:55:06 +0000  
From: "Steven Weber" <kd1jv@moose.ncia.net>  
To: qrp-l@lehigh.edu  
Subject: [50739] QRP Afield  
Message-ID: <199909191736.NAA07647@moose.ncia.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

Fun?, you bet!

As promised by the Wx guys, the remnants of Floyd blow out of here  
Friday night and Saturday was a nice, crisp, fall like day. Perfict

day to stumble up Lowes Path to the Log Cabin, half way to the summit of Mt. Adams. A hike of about 2 1/2 miles and a 2500 ft climb.

Although I've been up that trail countless times, each time it seems longer and steeper, and since it's been a few years since I last put on a full back pack and went up there, it seemed really long and steep!.

Took awhile to figure out how to put up the 66 ft long 40/20 trap dipole, but since the cabin is set somewhat into the hill, I put one end up about 20 ft in a tree near the front of the cabin and walked the other end up the hill, until it was level. Worked out FB, didn't even need the extra feed line I carried up.

Pleanty of activity, worked mostly 20, but some 40. Was definatly worth having 40. Haven't done the final tally, but looks like about 40 contacts in 25 states. Not too bad.

Got pretty chilly twards the end, dropped down to 48 degrees. The morning bonus portion was well attended and looks like a keeper! Was down about 40 degrees this morning, any bonus points for FYBO? Sorry if my keying was a little sloppy this morning :-)

Had a few "regular" QSO's mixed in with the contest, especially this morning. When you hear, QTH is... and name is... oh, oh, thier not in the contest...

Anyway lots of fun and well worth hiking up to the cabin for some radio fun.

72,

Steve, KD1JV in the white Mountains of New Hampshire  
"melt solder"

-----  
Date: Sun, 19 Sep 1999 13:56:21 -0400  
From: Ken Newman <N2CQ@citnet.com>  
To: epaqrp-1@lehigh.edu, njqrp@njqrp.org, QRP-L@lehigh.edu  
Subject: [50740] QRP Afield  
Message-ID: <3.0.6.32.19990919135621.008d5210@mail.citnet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Thanks for the QSOs on 'Afield' this weekend, Folks. I only got about two hours on Sat and 1/2 hr on Sun but lots of activity anyway.

Sat: 46 Qsos and score of 5704  
Sun: 7 Qsos and score of 392

72 de  
Ken Newman - N2CQ  
Woodbury, NJ  
N2CQ@ARRL.NET

~~~QRP Contest Calendar~~~  
<http://www.njqrp.org/data/contesting.html>

~~~ NJ QRP Club Callsign ~~~  
WQ2RP

-----  
Date: Sun, 19 Sep 1999 19:11:12 +0100  
From: "Frank G3YCC" <frank@g3ycc.karoo.co.uk>  
To: <ARDUJENSKI@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [50741] Re: GOOD BOOKMARKS FOR NEW FOLKS  
Message-ID: <005201bf02ca\$5d233120\$3aa632d4@prsat0x1>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Nice try, but have another go, it's G3YCC.  
Thanks for the advert. I have never quite reached 1,000 hits in a week, the best so far is 850...  
Enjoy!

Frank G3YCC  
QRP web page <http://www.karoo.co.uk/g3ycc/>

----- Original Message -----  
From: <ARDUJENSKI@aol.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Sent: Saturday, September 18, 1999 3:36 AM  
Subject: GOOD BOOKMARKS FOR NEW FOLKS

> I notice a lot of requests for WHERE TO LOOK FOR INFO. For the new folks here  
> is a list of some key sites that will probably get you most info including

> NEWSGROUPS, CALLBOOKS, PARTS, MFGRS, CW INFO, PROPAGATION, etc. From these  
> sites you can get to most the others often referenced. I don't mean to  
slight  
> any other references, so those with some additional key bookmarks please  
add  
> to this list. 73s Alan KB7MBI  
>  
> DX BANDS: <http://www.dxbands.com/>  
>  
> AC6V: <http://www.ac6v.com/pageas.html>  
>  
> TOTALLY QRP: <http://www.qsl.net/k4msw/index.html>  
>  
> KI7MN: <http://www.extremezone.com/~ki7mn/>  
>  
> LB CEBIK (antenna info): <http://www.cebik.com>  
>  
> QRP-L: <http://QRP.CC.ND.EDU/QRP-L/index.html>  
>  
> GY3CC SITE: <http://www.karoo.co.uk/g3ycc/>  
>  
> SWAP SITE: <http://www.bro.net./barc/swap/>  
>  
> SWAP SITE: <http://www.qth.com>  
>  
> SWAP SITE/CALLBOOK: <http://www.qrz.com>  
>  
>

-----  
Date: Sun, 19 Sep 1999 13:15:46 -0500  
From: "Nick Kennedy" <nkennedy@cswnet.com>  
To: <n2tpa@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [50742] Re: Weird 2N2/40 Problem Found  
Message-ID: <000601bf02cb\$16ba7bc0\$1c7154d8@big>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Bill and other 2N2/40 disciples--

Which way did you go with the feedback caps? I'm still thinking (recall our earlier discussion), that the one from base to emitter provides the positive feedback and the one from emitter to ground sort of shunts the output off. Yes, the two comprise a voltage divider, I know. But I think decreasing the

reactance of the one to base and increasing the reactance of the one to ground would increase your positive feedback and give a better chance of having the thing start. I'm eternally a novice, so open to correction.

I tried to find some guidance in SSDRA. They show a crystal osc with NO cap from base to emitter ... but "stray" capacitance from C to B is shown dashed in. The text says if it don't wanna work, add a real cap here. About 500 ohms reactive is recommended.

Bill, I can't remember--are you using a different IF than 4.952 MHz?

Your problem and finding are very interesting. Who'da thought that you'd be on the ragged edge and just a very small variation in voltage would monkey-wrench the whole thing? I'm using a bench type supply, so I'm gonna test over a wide span of voltage.

Recal my problem of too little drive from the VFO? I don't really know if I've made it better; but I did a little studying on mixers and I think with the shottky diodes I probably require less drive voltage and power. So maybe I'm OK as-is. I repeated the test of hooking the board to the receiver, using it as an IF/audio stage. Only this time I made better (shorter) jumpers from antenna to board and from board to receiver. It's sounding real good. Not sure if it's as sensitive as the "real" rx by itself, but I'm hearing good clean readable signals. And we're talking about 40 meters at mid-day. A real garbage band!

Off to build some more stages. Keep those 2N2/40 stories going. I need all the advice I can get.

72,

Nick, WA5BDU

-----Original Message-----

From: Bill B Lazure <n2tpa@juno.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Date: Sunday, September 19, 1999 7:40 AM

Subject: Weird 2N2/40 Problem Found

>Found, but not solved!

>

> Someone a while back mentioned that the crystals I'm using in my  
>2n2/40 have a lower Q, and thus lower activity, than the ones originally  
>used for the project. Boy, was he right!!

> Seems both the TX and RX BFOs are just on the border between  
>oscillating and not. They'll usually work on the bench supply, but



>rarely on the rig supply.  
> So, how does one increase the activity of sluggish crystals? I  
>tried changing values of the feedback caps, but it didn't seem to help  
>much. I'm trying to keep this project 100% junkbox, and would rather not  
>buy crystals.  
> Any advice?  
>  
>73,  
>  
>Bill  
>W2EB  
>  
>-----  
>Get the Internet just the way you want it.  
>Free software, free e-mail, and free Internet access for a month!  
>Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.  
>

-----  
Date: Sun, 19 Sep 1999 14:30:47 -0400  
From: aa5yx@juno.com  
To: njqrp@njqrp.org  
Cc: QRP-L@lehigh.edu  
Subject: [50743] QRP Afield - AA5YX/P  
Message-ID: <19990919.143049.4606.0.aa5yx@juno.com>

Great fun!

I drove up to Stokes Forest in NW New Jersey early Saturday fearing that the good clear weather would cause a shortage of campsites but I was wrong. My antenna-friendly site #134 was available and I had the whole place to myself, so no one to report the crazy guy throwing wires and ropes into the trees with a Windex bottle. I'm not really much of a contester, so I thought this would be a good chance to play with the rigs, but I was immediately caught up in the excitement and the "low keyness" of it.

The antenna was a 40m inverted V fed with cheap TV twinlead and I used the OHR-100/20 and the Norcal 40a (with ZM2 tuner) for most of the contest and then took the 40m SST into the tent with me after dark and had a couple long post-contest QSOs with it. The car battery provided the power.

My NC40a has the KC2 with keyer, but for the OHR100 I had to use my bug, so thanks to those of you who copied my sloppy CW on 20m Sunday morning. It was cold and my fingers didn't want to toggle the bug back and forth

like I wanted them to. I'm putting a TiCK in that puppy ASAP along with a FreqMite from SWL. What I like about the OHR over the NC20 is the variable bandwidth filter - really came in handy.

Lots of familiar calls from QRP-L and some impressive signals from the milliwatters. I kept wanting to ask them about their antennas with such nice sigs from a fraction of a watt but I guess I'll have to live with my curiosity. All told, I worked 25 states (about half on 20m and half on 40m) plus Norway and Finland, .

When's the next outdoor QRP event? I'm hooked!

John Harper AA5YX/2  
HW-9, OHR-100A/20m, NC40A, SST/40, SST/30, NC20  
YashicaMat 124G Info Page: <http://home.att.net/~j..harper>

-----  
Get the Internet just the way you want it.  
Free software, free e-mail, and free Internet access for a month!  
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

-----  
Date: Sun, 19 Sep 1999 12:06:52 -0700  
From: "Floyd Smithberg" <flydnq7x@primenet.com>  
To: "QRP-L message" <qrp-l@Lehigh.edu>  
Subject: [50744] QRP Afield  
Message-ID: <001301bf02d2\$3bbb94c0\$e03184ce@primenet.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Fair condx, good participation but great fun! Thanks Dave et al for another fine sprint. I like the short ones as I have to fit operating in between changing my xyl's nappies, preparing meals, feeding her, etc.etc(she has Alz). Most of the activity was bunched on 20M with 15M a poor second. I checked 10M and 40M periodically but found only a few sigs or answers to CQs. No time available here Sunday for the Bonus session.

| Band | QS0s | Points |
|------|------|--------|
| 40cw | 8    | 16     |
| 20cw | 54   | 108    |
| 15cw | 18   | 36     |
| 10cw | 3    | 6      |

83

166

Score: 166 points X 2 pwr X 33 SPCs = 10,956 points

Category: At Home, single op, 5 Watts

Equip: TS850, ThinkPad w/TR-LOG, 3 el Triband & 40M extender at 40+'.

Op time: 5 hrs....had to quit an hour early.

-----  
Date: Sun, 19 Sep 1999 14:28:18 -0500  
From: "William H. Launer" <launerb@crl.com>  
To: qrp-l@Lehigh.EDU  
Cc: myetsko@insydesw.com, w6toy@erols.com  
Subject: [50745] Re: MFJ Antenna Tuners  
Message-ID: <103130300b40ae730f999@[192.0.2.1]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

It appears that the "3-knob" MFJ-16010 ST that I have (labeled as "MFJ SUPER ANTENNA TUNER") is an earlier version of the MFJ-901B still listed in their catalog. This isn't to be confused with the "2-knob" MFJ-16010 random wire tuner they still list. The latter is an "L" network, while the "ST" is a "C-L-C" "T" network, with a balun. Regardless of the nomenclature, it is an excellent unit.

72/73, Bill

Bill Launer  
St. Charles, MO  
launerb@crl.com  
wb0cld@wb0cld.ampr.org [44.46.66.25]  
qrp-l #279          qrp arc1 #3551  
Grid Square EM48RT

-----  
Date: Sun, 19 Sep 1999 14:34:21 -0500  
From: "Jay Bromley" <w5jay@alltel.net>  
To: <qrp-l@Lehigh.EDU>  
Subject: [50746] Re: Tweeking the NorCal 20  
Message-ID: <020801bf02d5\$f9a9af00\$549b66a6@w5jay>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Gang,

I mentioned in a post last week about Gary Surrency's, AB7MY, paper that was at the Fort Tuthill QRP forum intitled Blueprinting/Modifying the Norcal 20. Good news, it will be in the next issue of QRPP.

Larry East also has a fine paper that can be found on the Red Hot web page. Click on NC20 club kit mods and you will see some of Larry's stuff there. There is also a link to the Minnesota QRP Club for more good stuff. The links are <http://www.redhotradio.com/> and <http://www.qsl.net/mnqrp/norcal20.htm>

Of course the Master that's producing this super fine rig is, Dave Fifield, is just a click away.

For those I promised to send out photo copies to they went out Saturday

73 de w5jay..

-----  
Date: Sun, 19 Sep 1999 15:53:49 -0400  
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>  
To: qrp-l <qrp-l@lehigh.edu>  
Subject: [50747] Re: Weird 2N2/40 Problem Found  
Message-ID: <37E53F4D.64BFAF5@rit.edu>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7BIT

Randy Jouett wrote:

>  
> -----Original Message-----  
> From: Bill B Lazure <n2tpa@juno.com>  
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
> Date: Sunday, September 19, 1999 7:40 AM  
> Subject: Weird 2N2/40 Problem Found  
>  
> Hi Bill,  
>  
> > So, how does one increase the activity of sluggish crystals? I  
> >tried changing values of the feedback caps, but it didn't seem to help  
> >much. I'm trying to keep this project 100% junkbox, and would rather not  
> >buy crystals.  
> > Any advice?  
>

> >From your power supply description, it sounds  
> like you need to add some regulation to that  
> portion of the circuit. Also, make the leads as  
> short as possible in the oscillator. Long lead lengths  
> in oscillators can add unwanted inductance to a  
> circuit, possibly causing your sluggish xtal to stop  
> oscillating. Worth a shot.

Randy,

A fellow I used to work with told me an interesting way to "restart" an oscillator.

He used to work for an electric utility in the Midwest, and they had some microwave communication equipment installed all over the region. He went out to one substation with an attached microwave tower to install some unrelated gear. He could see inside the rack with the microwave gear, and saw an electric motor with a wooden disk attached to the shaft. On one edge of the disk was a small metal hinge attached to a piece of wooden pencil with a large pink pearl eraser on the other end. The result was a triphammer that came around twice per day (it was a clock motor and gearbox) and bopped an FT-243 crystal underneath. My friend asked the local maintenance man what that was all about. The guy said that the transmitter would quit about once a week or so, and a tech had noticed that if he bumped the crystal, the transmitter would start working again. So they arranged to bump the crystal regularly, and hadn't had any trouble since.

Dave

--

Dave Hinerman WD8CIV  
Ontario, NY Grid FN13if  
dlh1009@rit.edu

-----  
Date: Sun, 19 Sep 1999 15:50:59 -0400  
From: Richard Powell <ripowell@mpna.com>  
To: "Low Power Amateur Radio Discussion (E-mail)" <qrp-1@Lehigh.EDU>  
Subject: [50748] WB6JBM QRP Afield Results  
Message-ID: <01BF02B6.C53FA810.ripowell@mpna.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

1 contact, N4BP @ 1432Z, 5W, from Springdale, OH. while at GCARA Communications Expo (a hamfest), using WB8QYY's K2, and a delta loop strung between QYY's truck and my car, while selling a GE Progline 6M rig!

oh,  
on 15M

.

-

Richard Powell, WB6JBM, TENTEN 13044, QRP-L 1118,  
Senior Network Engineer, Belcan IT Division  
MCSE, CNA.  
ripowell@mpna.com    <http://www.mpna.com/ripowell>  
ICQ 39245532

-----  
Date: Sun, 19 Sep 1999 15:58:30 EDT  
From: K2UD@aol.com  
To: qrp-l@lehigh.edu  
Subject: [50749] QRP Afield-K2UD  
Message-ID: <472949d1.25169a66@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Well the plans for the boat to take me to Mellish Reef fell through, so I settled for the back yard. All you DXers who sent money for the expedition will receive a refund.

I ran 40M only using a 2N2/40, my S/N 99001. Worked with the end-fed 1/2 wave, and the just polished brass Nye-Viking straight key. Went to the TiCK keyer later.

40M was good in the East I think, it was slow in the beginning but sounded like the Fall QSO Party after a while. I think I made about 25 Q's for a couple hours work. I thought it was the Flight of the Bumblebees due to the squadrons of the same buzzing around me! Some of you heard some lousy CW, that was me sending while trying to stomp bees.

Hey the 2N2/40 really proved itself contest worthy! Stable, selective, and it was able to work up and down the East coast and out to Minnesota with small difficulty. I was amazed at how well it heard some 1/2W stations. That 40M was quiet around here probably helped too.

The morning after, didn't persue that avenue. What do you guys think who were on then? My only problem is church at that time. Later in the day would be better, but that puts a strain on the guys who are using that option, I'm sure.

Great event! A keeper in my calendar.

72 all

Howard Kraus, K2UD

-----  
Date: Sun, 19 Sep 1999 13:07:33 -0700 (PDT)  
From: Paul Erickson <paule@sfu.ca>  
To: qrp-l@lehigh.edu (qrp), qrp-canada@lists.gpfn.sk.ca (qrp-canada)  
Subject: [50750] checking battery fluid levels?  
Message-ID: <199909192007.NAA15851@fraser.sfu.ca>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Anyone know a good device to be able to see the fluid levels in small sealed lead acid batteries. One of those devices that a doctor uses to check in ones ears would be ideal, but I suspect that coming up with one cheap would be out of the question.

Anyone know a good alternative?

cheers, Paul VE7CQK/email: paule@sfu.ca

-----  
Date: Sun, 19 Sep 1999 16:42:54 -0400  
From: "Al Gritzmacher " <ae2t@arrl.net>  
To: qrp-l@Lehigh.EDU  
Subject: [50751] Re: Homebrewers  
Message-ID: <199909192040.QAA07445@mx2.localnet.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

On 18 Sep 99, at 19:03, qrp-l@Lehigh.EDU wrote:

>  
> 7. His other children are named Central Processing Unit,  
> as a name play on Frank Zappa's child Moon Unit Zappa,  
> and his other child is name AC/DC, after the band  
> and physical laws.

Don't laugh, my first two kids initials are AM and FM, respectively, an unintentional choice first pointed out to us by the Doctor in the

delivery room after he asked what we were naming #2.

=====  
The amazing thing about QRP is not how many contacts are  
made, but that they are made at all. Every QSO is a  
contradiction of conventional wisdom.  
72,  
Al Gritzmacher, AE2T  
QRP-L #1664 QRP-ARCI #9837 K2 #274  
ae2t@arrl.net  
<http://members.localnet.com/~ae2t/>  
QRP - If you don't try, you'll never know!

-----  
Date: Sun, 19 Sep 1999 15:18:38 -0700  
From: Robert L Kellogg <ae4ic@nr.infi.net>  
To: rsealey@InfoAve.Net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [50752] Re: QRP Afield from Connecticut  
Message-ID: <37E5613E.ABBBE460@nr.infi.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Man, I agree with Rick,

If there ever is a "Provin' it can be done" award for QRP, I vote for  
Jim! Congratulations!

Rick Sealey wrote:

>  
> At 11:12 PM 09/18/1999 -0300, you wrote:  
> >----- snip -----  
> >I took my SMiTe, recently measured at below 200 mW, rock-bound in the  
> >Novice sub-band of 80m, and mounted Holcombe Hill in Newtown, CT. The peak  
> >is about 850 ft. ASL, though the trees at the top are all fairly short.  
> >  
> >----- snip -----  
> >  
> >Well, I spent the next three hours, and only eked out 5 contacts, but it  
> >was still fun.  
> >----- snip -----  
> >  
> >72 de Jim, KD1YV  
> =====  
>



> I dunno, Jim. Considering what I heard on 80M (not much except a few weak  
> signals near the end of the contest), those 5 contacts on a KnightSMITE, on  
> 3686.4, sounds pretty darn good to me. That's perseverance. Shoot, I think  
> you deserve extra points or honorable mention, or something. Congratulations!

--

Bob Kellogg, AE4IC Greensboro, NC  
Probably, not nececelery. - Benny Hill

-----  
Date: Sun, 19 Sep 1999 15:50:53 -0500  
From: Lee Bahr <bahr521@earthlink.net>  
To: dlh1009@ritvax.isc.rit.edu  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [50753] Re: Weird 2N2/40 Problem Found  
Message-ID: <37E54CAD.1A33D175@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Why not do the obvious? Change out the crystals to ones with Higher Q?  
The good ones only cost about 43 cents each from Mouser. If you bought  
25 of them for matching purposes at 43 cents each, you would have \$10.75  
spent minus shipping charges and save countless hours of design change.  
Isn't this worth \$10.75? There is also the possibility a design change  
would still not offer the good results that could be obtained using good  
Q crystals to begin with. Just my 2 cents on all this.  
Lee Bahr w0vt Houston

David Hinerman wrote:

>

> Randy Jouett wrote:

> >

> > -----Original Message-----

> > From: Bill B Lazure <n2tpa@juno.com>

> > To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

> > Date: Sunday, September 19, 1999 7:40 AM

> > Subject: Weird 2N2/40 Problem Found

> >

> > Hi Bill,

> >

> > > So, how does one increase the activity of sluggish crystals? I

> > > tried changing values of the feedback caps, but it didn't seem to help

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> > > Any advice?  
> >  
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> Randy,  
>  
> A fellow I used to work with told me an interesting way to "restart" an  
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>  
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> some microwave communication equipment installed all over the region. He  
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> some unrelated gear. He could see inside the rach with the microwave  
> gear, and saw an electric motor with a wooden disk attached to the  
> shaft. On one edge of the disk was a small metal hinge attached to a  
> piece of wooden pencil with a large pink pearl eraser on the other end.  
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> clock motor and gearbox) and bopped an FT-243 crystal underneath. My  
> friend asked the local maintenance man what that was all about. The guy  
> said that the transmitter would quit about once a week or so, and a tech  
> had noticed that if he bumped the crystal, the transmitter would start  
> working again. So they arranged to bump the crystal regularly, and  
> hadn't had any trouble since.  
>  
> Dave  
> --  
> Dave Hinerman WD8CIV  
> Ontario, NY Grid FN13if  
> dlh1009@rit.edu

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Date: Sun, 19 Sep 1999 16:16:21 -0500  
From: "Jay Bromley" <w5jay@alltel.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [50754] Re: K2  
Message-ID: <022101bf02e4\$398b6920\$549b66a6@w5jay>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Scott and gang,

Not sure if the pictures are still there on the Elecraft web-page, but they use to have some pictures of their lab equipment. The stuff I saw will cut down on the K2 profit margin quite a bit, for a while anyway. It sure makes you respect these guys laying it on the line like this.

Also last week when everyone was debating about posting to the group before going to the manufacturer first, please consider this, one of the things we agreed in being a K2 Beta Tester was to go to Wayne, Eric, or the builders web-page first (at the time the Builder's web page was closed to the general public). We also were asked not to put out negative post on QRP-L. The reason was very simple, perception becomes reality before the truth comes out. I can remember some folks posting to QRP-L, "are there no problems with the K2?" or "how come you guys won't give us the straight skinny on the K2?".

Wayne and Eric had a lot riding on this project and all the Beta Testers I knew, felt an obligation to help in any way they could. Besides it was fun

and I can assure you "there were problems"!! It was anything but "An Open Forum". Of course the K2 is now kicking butt and the builders page has turned into an open forum. Wayne, Eric, and the Beta Testers dedication paid off. Great for the hobby and hopefully financially for the K2 folks.

I didn't mean to open up another can of worms about what you should do or not do. It is a free country, but I waited a while before posting to see if

some of the manufacturers would come forward and express their opinion. I was talking to a well known QRP manufacturer after he took my order a couple of years back. He said the same thing, that his biggest source of problems were the urban legends that were started here on the list before he got a chance to solve the problems. He also felt it could possibly cost him some sales.

Before firing back on the keyboard please do this, re-read the original message

that started all the posts. Talk to the guys building the kits. Try to make a kit

and sell it yourself, I can guarantee your feelings will change. Or better yet

get on the air and debate it.

I posted something like this last week and it got lost in the ether (it was probably

meant to be). I didn't mean to post all of this in a reply message but my fingers

keep going and going. QRP is quickly becoming Main Stream, we owe it to ourselves and the hobby to promote it so everyone benefits. Where would the

movement be without all these Kit Guys, I hate to think about it. They deserve our best as well, we sure get theirs!! Now back in my hole-----hope you got to work the contest this weekend, it was a super event!!

73 de w5jay..

----- Original Message -----

> QRP rig.  
> Judging how wildly popular the K2 has been, I'm sure Elecraft is making money on this kit hand over fist. I don't think they can ship these kits fast enough! Pretty much blows holes right through the above theories!  
> Just an observation....  
> 72  
> Scott

-----  
Date: Sun, 19 Sep 1999 17:14:54 -0400  
From: Ed Kessler <edkess@epix.net>  
To: qrp-l@Lehigh.EDU  
Subject: [50755] QRP+ Pwr Knob  
Message-ID: <37E5524E.9DF0A760@epix.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Anyone have any suggestions for making the pwr control pot on the back of a QRP+ more user friendly?

Ed, AA3SJ

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Date: Sun, 19 Sep 1999 16:43:45 +0000  
From: "Steven Weber" <kd1jv@moose.ncia.net>  
To: qrp-l@lehigh.edu  
Subject: [50756] More Afield  
Message-ID: <199909192125.RAA27056@moose.ncia.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

Due to a football game that ran over, then the local news, my VCR only recorded the first 15 minuets of the last "Deep Space 9"

episode, which I missed last spring. Dang, now I'll never know how it all ends (unless someone out there has a copy...)

Never expected my call would cause pile ups :-). Not used to them, so do the best I can. But you all should pay attention to who "owns" the frequency. Last night I responded to a CQ, then people started calling me after the exchange. I made the mistake of answering, should have moved off. Sorry Doc.

Then this morning I was calling CQ and NN1G answered, (glad we had the chance Dave) at the end someone threw in their call, so I answered, but they wanted Dave. Oh well, that's the way it goes...

72,  
Steve, KD1JV in the white Mountains of New Hampshire  
"melt solder"

-----  
Date: Sun, 19 Sep 1999 14:24:00 -0700  
From: "Dave Fifield" <fifield@pacbell.net>  
To: <ae2t@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [50757] Kids Names/QRP Afield (was Homebrewers)  
Message-ID: <006b01bf02e5\$4b953820\$0100a8c0@pacbell.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

That's funny Al... my three boys are named Thomas, Richard and Harry  
- yes, that's right, Tom, Dick and Harry! (except we call Richard "Rich"  
not Dick...)

QRP - Was working on the bench all day during QRP Afield  
and just swooped to work a few every now and again on 20m  
(of course!). Managed to work 11 stations but heard loads more!

72, Dave Fifield, AD6A

> Don't laugh, my first two kids initials are AM and FM, respectively,  
> an unintentional choice first pointed out to us by the Doctor in the  
> delivery room after he asked what we were naming #2.

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Date: Sun, 19 Sep 1999 17:41:24 EDT  
From: Ab5wx@aol.com  
To: qrp-1@lehigh.edu  
Cc: K5ln@aol.com, AB5UP@aol.com  
Subject: [50758] QRP AFIELD- K5LN short report  
Message-ID: <43da093a.2516b284@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Here is a quick report of the K5LN (multi op, single station)QRP AFIELD report:

QTH:

Cedar Breaks, Army Corp of Enginneers park, in Georgetown, TX. We had a great location located on a hill that overlooked the lake. WX was perfect! We set up camp using AB5WX's pop-up camper, starting about 8AM CST on Saturday morning. All our operating was performed outside, under a picnic shelter for the entire event.

Call Used: K5LN

Operators: K5LN (bill), AB5WX (dave)

Rigs and Power:

HW-9, 5 watts

Red Hot Radio 20m, 5 watts

Antennas used:

20m dipole up about 25ft (broadside to NW) located right on the lake.

20m fullwave horizontal loop up about 48ft.

R7 10m-40m vertical antenna up about 15ft.

Best Bands:

The only bands we made any contacts on were 15m, 20m, and 40m. For the Saturday event 20m by far was absolutely the best band, but condx were very erratic, lots of fast acting QSB, our best performing antenna was the dipole.

On Sunday, we made quite a few contacts on 40m very early, then we spent the rest of the event on 20m.

Preliminary report on QS0s:

Saturday:

EXACTLY 100 qsos using 5 watts from our campground station

Sunday:

Over 35 qsos using 5 watts from our campground station.

I will post another report later (with pictures) to the list and also on my website at <http://www.qsl.net/ab5wx> when Bill and I finish checking and proofing all the logs.

Thanks to everyone for pulling us out of the crazy band conditions and for such a fun weekend.

Dave, AB5WX

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Date: Sun, 19 Sep 1999 16:56:08 -0400  
From: k5xu@concentric.net  
To: <qrp-l@lehigh.edu>  
Subject: [50759] Height above average terrain Calculator  
Message-ID: <00f501bf02e1\$8843b8e0\$1e4aadce@mike>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Is there a program or a web site for this calculation?

Mike Duke, K5XU, president,  
Mississippi Council of the Blind

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Date: Sun, 19 Sep 1999 16:35:41 -0500  
From: David Gauding <david.gauding@bbs.galilei.com>  
To: qrp-l@lehigh.edu  
Subject: [50760] QRP Afield - NF0R  
Message-ID: <1.5.4.32.19990919213541.00988a70@bbs.galilei.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi there,

Another really fun QRP Afield. Can't have enough of these operating events. Was really tough to find an empty seat on 20CW at times! Thanks to Dave Benson, NN1G for handling the event once again. The Sunday bonus session was a great idea and should be continued next year.

For NF0R, 51 stations logged between Saturday and Sunday. All but two stations on 20CW. Seemed like 40M was a bummer in the midwest. Total operating time a little more than 4 hours.

Operated from home using a Corsair 1 and a St. Louis Express vertical with six St. Louis Radials under it. One watt all the way.

Who is N3XRW in MD and what equipment is he using? Worked him Saturday when he was running 100mW. On Sunday he was running 50mW. That OM knows how to run CW!

Thinking it would be nice to have a milliwatt CW contest on the calendar someday. I'm not much of contestor but dearly love our low power events for antenna testing.

Regards,

de Dave, NF0R      nf0r@slacc.com

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Date: 19 Sep 1999 2:0:8 GMT  
From: rfoltz@turbonet.com  
To: qrp-l@lehigh.edu  
Subject: [50761] QRP AField from ID  
Message-ID: <22014356227456@turbonet.com>

What a great day! I operated from a mountain top in northern Idaho. It has a great drop to the east and really takes advantage of terrain enhancement. I had 20 and 15 m dipoles up about 35 feet between trees. The radio was a K2. The weather was sunny, clear skies with a high around 75.



I got 80 Qs on 20 m with 31 SPCs and 19 Qs on 15 m with 11 SPCs. Lots of familiar calls and many new ones, too. Many of the 1 w and less stations were strong.

73,

Randy

K7TQ ARCI QRP-L NORCAL ARS FISTS CQC  
Moscow, ID

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End of QRP-L Digest 1584

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